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 Liew, Choong-Chin

10 <120> Method for the Detection of Gene Transcripts in Blood and Uses
 Thereof

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20 <150> US
 <151> 2000-01-04

25 <150> US 60/115,125
 <151> 1999-01-06

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35 <170> PatentIn version 3.2

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 cccacattc cattttaat atatactgtc cttacaat attataatat gtttaaaat 180

40 atgtcacag aagcacctgg tctgtgaatg gcatgccagc attaaaaaaa ataagcattc 240
 ttgaatata tatttagttt ttatagtgg tagggaaatc aaagccagag ggagttagaa 300

caaaatttgt gatttctaa atacttcttg gctgcaggga agaaaccacg tcccaggcga 360

45 agcctacct aatttgcata taatttgcata tggaagggat tcttgtggc atgaggacct 420

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15 aaaggggaa ggccccaaa accggggggg gggnaaaaag gtgggttcc ccctttcc 180
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45 caaattgggg ggnaaaccaa atttaagggg ggaagggggg gncccccccg ggaaaggccc 180

aaggggggaa aattttccg ggggtggtn ggggaacca attaagggg ggggcccccg 240

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ctgtacttga actctaaaac tggtagaa actcagtgt taccccaaca gattcatttc 180

aaatagctgt aaaaggtatg ttactccag aagaccagag ttgcttctt tgaacttctc 240

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ccataaacag cactccctca ggcccctgcc tgacacaggc atagactgtc atgtggatt 360

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tttaggcggc accccaacaa caccaggccc tacttttcc aaggncgggg aagcccatgg 180
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242

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 aggagaaaata taactgcaga ggagcttga aaatttagtt cagctgaggg taaaggaaga 240
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agtgggtgaa acgccagcgc atggcaaccc gtaccgcaaa ccgacacagg tagccggggg 420
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30 ggtgctcctg cgttggact gtgcaggcct ctcctatgct gatgcgtctc cccactcctg 18
agctaatttc tgctctgctc cttctgtgac atgtggcagc gtggaaata gccactgtcc 24

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5 actagattt actgttagatg gtagataaaa gtccagtgaa aagcaaagat gtgtaatgtt 180
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 tgnataacta ttgccttta tatacacnac caannntgcg aaggcannnn nnaccttnc 180

 cantnnnctg gggccccacn nnngngaact gagagtggat cttgtgtacc tgacnnacca 240
 20 gnttnnagn agggcgctca ctctgattgg tgcaccatgg ttacacagtg tgtgcaaaga 300

 ccngnctatc tcactganga tgaatgncag ngccnntggg tggcacnang ggnactgatg 360

 25 ancancactg accctgccga cgccagangc cgcanatccg gagantncat gngacnatat 420

 aggttaccnc cttcnaccgg gcancaatct gcttctatgg tgaatgcaga ccatntagaa 480

 ntctnctataggcatga tttnnncag tgcgtcagcc ttganaanga ancnnactt 540
 30 tgntagatga nnngntgctc ncccttgngg ctnacaaatt ccancaccnt tggtggcngc 600

 agccnttaag ancactntt ttgggttgcg ctnttggatg aattacnaat agnntgttt 660

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20 tagatatggg aagatttag gaggcgacaa ctaccgagcc tggtgatagc tggtgtccaa 180

gaagagtctt agttcattta ttggccctt aaccctctaa tcccttgta atttatgtca 240

agaggaacag ctctttggac actggaaaac cgtgagagag taagattac acccttaggg 300

25 gcctaatacg agccaccatt aagaaagcgt tcgctccaca cccactacct aaaaatcgaa 360

tataactgac tcctcacacc caattggcca atcattcccc tataaaagaa ctatgttagt 420

30 ataagtaacc tgaaaacatt ctcccttgca taagccctgc gttggattat atccctgcact 480

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40 accctgccct cattagacca agacagcaag gtttncctg gtcactagat gaaatt 176

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 ggatttgggg tttagaggtt caattgcctt tttatggta gagaaaggc tcggggctgg 180

15 agggagcctg acgatctgct ctgtgtgcaa ggggagagtt aactctgcac gcaagagcct 240
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 aggagaatttgcgtttaa agcctgttgc cgctttctc ccgcagacga atggaaagat 180
 taattgggag tgggggctga aacaattcg 209

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40 <210> 58
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caaattcacccg gcatggagat tgccctgtg gtcccaaaat actcgggctg ggacacgatg 180
agtgccttgg cccaaggaag gagggttta tggctgatca cactggtccg cctgggtgac 240
5 agagcgagac tccatctcta at 262

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cccgaaaaag ggttatccgg ttataaacc ccaagggtat ttcttagca aaatacttaa 180
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tctgggatgg gaatatgagt ttatatacat ttcattttct ttggccaa aggcccgtt 300
aagtattccc ccccgaaaaa ctttacaaa aaggcggtt taaaagctt ttggccccc 360
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tggggcgcc 430

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40 tatcatgtgt aagcccatct cttggggagg ctaacatact accatctcca aggagaggca 180
tgattccgaa tcacccacag acagctcgat caccatacgt atcacccaaatataacct 240
45 tctaagactt gctagaaaca accaccat ttgatgctt atcaccactc tgacgcgcat 300

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	aataatcagg caaatcccta agaataaggg caattaagga tgactagccc tacaagatt	180
15	taaaaaggat tcattagttt aaaaaatgtg atgttagatac atgaataaaa taaaatcttg	240
	aagtagatcc aaatatacat ggtcagattt aatacaataa agatggcatc gtgcagtgg	300
20	agaaaagaag aattatttca taaaccttgt tggaatggct aggcaatcat ctggaaaaaa	360
	atgaagttga ataataaaaa tatattctac actagcacaa attataaata aagcagtgtat	420
	ttaaatgaga aaaattaaat cataatgatt tcaaagataa cataggataa ttctttata	480
25	gtcttctaaa atatatgact ttatgaattc tgact	515
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	aataatccac cagatacaag ttgcataa cttctgtgaa atatttttt tccttttgt	180
40	tggcatttt tatggctaa atatagaatg accaatgcct ctggacacacgg	240
	tcagtgttat caagaagcag actgtttctt acttctttg tatttcctta cttatttaaa	300
45	tttgttaaaa ttgatataatt gatataaaa acttctttg ccagtgttgg tggcacacgc	360

cttaatccc agcacttagg aggcagaggc agggtggatt tctgaatttg agggcaggct 420
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cagaccaaac t 611
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15 <213> Human

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gaacacatgc tgaagatcat ctaactcaat atggcgcata ttctatgtc ttgctgccca 180
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45 ctgattaga 309

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agggatggaa tggactcgaa ggaaatggaa tggaatggat tcgaatggaa aggaatggaa 180
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<210> 66
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30 atagcttagta aactccccct gt 142

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agggagactg gtttttaca gttgtctatg agagagatga cagttgcctg gattatggtg 240
35 gtgacattgg agataaggcag gtagacagat tctcagtgttca taggagaga aaaatcaata 300
ggaaatttaa aataaataat taactgtggc cataggagga aggagtctt gggtnngtt 360
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	taaaatgata gatgagataa aatgatgata taaaatgatg agatgaatga tgagatgtg	180
15	agatgaatga taaaatgaaa ttagatgatg agatgatgaa atgaaatggt gagatgaaat	240
	gatgagatga aatgaaatag taaaatgaaa ttgaaataaa atcgaaatga gagatgaaat	300
	gatgagatga taaaattgat gaaatgatga gatgtgatga gatgaaatga tgagatgaga	360
20	tgagatgaca taaaataatg aatgaaattt gaaatgagat aagatacgag ctgagatgca	420
	atgagatgaa atgatgagat gaaatgaaat agtgaaatga aattgaaata aatcgaaat	480
25	g	481

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cctgagatga aatgagatga aaaatgatac gaaaaatgat ataaaaaata tgacatgaaa	240		
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30 gaaatgagat gaaataaaat aatgaaatga tgaaataatg aaatgaaaat gagatggaaa 180
 tcatgagatg agaagaaatg atgagatgaa atgatgaaat gatgagatga gaaaaatga 240

35 gatgaaatga tgagatgaga tgaaatatga tgaggtaaaa tgacataatg aatgaaatga 300
 tggaaatggaa taatgaaatg gaaatgatga gctgagatgc aatgagttga aatgagatga 360

40 aatgatgaaa tcatgagatg aatgatgaa atgaaataat gaaatgagat gaaataaaat 420
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	cataaaatga gatgaaatga gatgtaatga tggaatgaga tgagatgaaa tgagatgaaa	180
20	tgatagatga gataaaatga tgatatgaaa tgatgagatg aatgatgaga tgatgagatg 240	
	aatgatgaaa tgaaatgatg agatgagatg atgaaatgaa atggtgagatg gaaatgatg 299	
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	taaaatgatg aaatgatgag gtgatgagat gaaatgatga gatgaaatga tgagatgaga 120	
35	tgagatgaca tgaaataatg aaacgaaattt gaaat	155
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cgccatgaaa ttctgctcg attagttac gttgtttgga tagaggccaa acaaggctgt 180
45 tatcggtacg aggaatggat gttcgatttc gtagaatacg cctgagagac ggcgaatact 240

ctcacgagag gcagcaggcg cgtaaattac ccaattacaa caagtagagg tagcgaagga 300
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30 tcagtgttg gggtttattt taaaagaat agggtgccac cagatgtct ttagtggagg 180
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 ataatggatt ttattgttaa attgtgtgt tgtggtgt atgccctgtc tttctcctc 300
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30 ggaaaanaaa tccttttaa anggaantcc aagggaaagga ncctgnncaa nacttccccn 180
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gaaatgaagt gaaatgaaat tcaaatgaga tgagatgaaa tgagataaaa tcatgagatg 180

15 aaatgagaag aaatgagatg aaatgatgaa atgatgagat gagatgaaaa atgatggat 240

gagaaatgag atgaaatgat gggatgaaat gaaatgaaat aatgaaataa tgaaatgaaa 300

20 tgaattgata atattgaaatg gaaattgaaa gatgagattg gatgaaatga tgagatgaaa 360

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taaggtattt ggcatggaat agagaaccca gaaacagacc caatgcatgg gtacaggata 240
30 taacacaggg aaatgaggga caatatatgg ttctggata attatttata tggggaaaat 300
aaagaaaattg gatccctacc tcacacatac aaaaaaaaaatc ataattgaat taaaaacttg 360
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15 aggaaggaag gaagg 135

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 aacttcctca gaaggacaag agacaaagaa gtgggggagg ccctctatc catagctgag 180

35 agggtttatt ctgttgttt ctgttgtcag agcccttggta tgtctgtatct gagatggagc 240
 aaccccagct agacagaact ttgttagattt tggggggttt aaaaggcctc aagcaaattc 300

40 taaaacttcc ttgtaccccc ctggcatagg ctcagttcc ctgact 346

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45 <212> DNA
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5 gaaaagaaaa tggtttttt tgccgaaatc aaccggtaa 100

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15 gaaaagagga agaaacgc tttaggagtt aaggattaaa gtaaaaatta tttgacata 120

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tctttaccc cggcactcgg gtccaccctc gcccaccag aggtattctc cggcgagtcg 180

35 ttaaccatcg caatcgccga ccgagttaa ggaccacttcc ccaccttct cattagttaa 240

ggagaacgct actttacccc atagacggag aaatcgctac tcaactacca ggcgcgcgcc 300

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40 ttcttctaag cgtacgcgtt ctactccaaat gtttcgtt atccagcccg aactaacgc 420

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45 aaaacaaaaa gtaccagccc taaaggaaag tcaaaggacg cccgtaaaaa a 531

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20 agaggcggaa tccaaccatt caagagttat aacaagttat cggcactcgg gggatcagaa 420
 tataaactta atgtccctt tattctcccg gacgcccctt ttaaccactt cttcctatct 480
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 aattaaggna aggnntaaaa aatttaacca anggggggtt taaagggnntt tttttttta 180

45 aaaaaaaaaagg taaaancccc ccctttttt ttgggttggg gtgggaaaat ttgggaanc 240
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naannnggn nctnggggg ggaantttt ggccccccc cgggggntt ncctnaaaaa 240
aaancntt naanacngn nanaatttn ccnnncggg gaggnnggaa nntttttt 300

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ccntnnanc ntgggnntt ttagncctn aaaaaaangc naatnttaag gtaaaaattn 420

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ntnnnanctnc ngntnaacat cacagctnct ccnagcatca ccctgctagn tancngnggg 180

30 ttttctctta tntgnngncn naacatctgc nngctctgnt annaanaatt ncataccgcn 240

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	ntaaatgnga tgaattaatg atgagatgaa atgntgaatg ccgggggtgnn tgagatgaaat	720
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	gaaatgaaat gatgaaatga atagatgtga catgaaatga gctgaaatga tgagatcaa	180
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aatgacctaa taaaatgaaa aatgaaaatg aaataatgaa atgagggtgaa attaaatgag 240

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